IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Braun *et al.*

Serial No.: 09/687,483

Filed: October 13, 2000

For: METHODS FOR GENERATING DATABASES AND DATABASES FOR IDENTIFYING POLYMORPHIC GENETIC MARKERS

Art Unit: 1645

Examiner: Unassigned

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TRANSMITTAL LETTER

Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is a Preliminary Amendment for filing in connection with the above-identified application.

(X)   The Commissioner is hereby authorized to charge the fee for the Information Disclosure Statement and any other fees that may be due under 37 C.F.R. §§1.16-1.17 in connection with this paper or with this application during its entire pendency to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted
HELLER, EHRMAN, WHITE & McAULIFFE LLP

By: _____
Stephanie L. Seidman
Registration No. 33,779

Attorney Docket No.: 24736-2033
Address all correspondence to:
HELLER, EHRMAN, WHITE & McAULIFFE LLP
4250 Executive Square, 7th Floor
La Jolla, California 92037-9103
Telephone: (858) 450-8400
Facsimile: (858) 587-5360
EMAIL: sseidman@hewm.com

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PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Preliminary to examination of the above-captioned patent application, please amend the application as follows:

IN THE SPECIFICATION:

Please amend the specification as follows (a marked-up copy of the amended specification is attached to this Amendment):

Please replace the paragraph on page 108, lines 15-21, with the following paragraph.

Referring to FIG. 51, a residual error is calculated by taking a root mean square calculation between the Gaussian 293 and the putative peak 290 in the data signal. The calculation is performed on data within one width on either side of a center line of the Gaussian. The residual error is calculated as:

$$\sqrt{(G-R)^2}/N$$

where G is the Gaussian signal value, R is the putative peak value, and N is the number of points from $-W$ to $+W$. The calculated residual error is used to generate an adjusted signal-to-noise ratio, as described below.

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